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DEC 17 2002

TECH CENTER 1600/2900

SEQUENCE LISTING

<110> The Board of Regents of the University of Texas System

<120> MUTATIONS IN A NOVEL PHOTORECEPTOR-PINEAL GENE ON 17P
CAUSE LEBER CONGENITAL AMAUROSIS (LCA4)

<130> 96606/16UTL

<140> 09/765,061

<141> 2001-01-17

<150> 60/331362

<151> 2001-01-04

<160> 10

<170> PatentIn version 3.1

<210> 79

<211> 34

<212> DNA

<213> Homo sapiens

<220>

<221> exon

<222> (1)..(34)

<223> Donor Splice Site: Residue 1-10 are the exonic sequence
and Resi

dues 11-34 are the intronic sequence

<400> 79

cgg atc ccg agt gag tgg ggc cct ccg gag cag a

34

<210> 80

<211> 35

<212> DNA

<213> Homo sapiens

<220>

<221> exon

<222> (1)..(35)

<223> Acceptor Splice Site: Residues 1-25 are the intronic
sequence an

d Residues 26-35 are the exonic sequence.

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35

<210> 81

<211> 35

<212> DNA

<213> Homo sapiens

<220>

<221> exon
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<223> Donor Splice Site: Residue 1-10 are the exonic sequence
and Resi
dues 11-35 are the intronic sequence

<400> 81
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35

<210> 82
<211> 35
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)..(35)
<223> Acceptor Splice Site: Residues 1-25 are the intronic
sequence an
d Residues 26-35 are the exonic sequence.

<400> 82
gcc atc cat ccg ttt atc ccc aca gca cac ggg gg
35

<210> 83
<211> 35
<212> DNA
<213> Homo sapiens

<220>
<221> exon
<222> (1)..(35)
<223> Donor Splice Site: Residue 1-10 are the exonic sequence
and Resi
dues 11-35 are the intronic sequence

<400> 83
gct gct gca ggt ggg gct ggg gtt ggc agg gct gg
35

<210> 84
<211> 35
<212> DNA
<213> Homo sapiens

<220>
<221> exon
<222> (1)..(35)
<223> Acceptor Splice Site: Residues 1-25 are the intronic
sequence an
d Residues 26-35 are the exonic sequence.

84
<400> 84
cac tga cct gca gct ctg ggg cca ggt tga tgc cc
35

85
<210> 85
<211> 35
<212> DNA
<213> Homo sapiens

exon
<220>
<221> exon
<222> (1)..(35)
<223> Donor Splice Site: Residue 1-10 are the exonic sequence
and Resi
dues 11-35 are the intronic sequence

85
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gca gac caa ggt cag agg ccg ctg gcc acg ggg tg
35

86
<210> 86
<211> 35
<212> DNA
<213> Homo sapiens

exon
<220>
<221> exon
<222> (1)..(35)
<223> Acceptor Splice Site: Residues 1-25 are the intronic
sequence an
d Residues 26-35 are the exonic sequence.

86
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35

87
<210> 87
<211> 35
<212> DNA
<213> Homo sapiens

exon
<220>
<221> exon
<222> (1)..(35)
<223> Donor Splice Site: Residue 1-10 are the exonic sequence
and Resi
dues 11-35 are the intronic sequence

87
<400> 87
cac cac cca ggt gcg cgg ggc tgc agg ggc gga ca
35

88
<210> 88
<211> 35

3/16/01
John
Conrad

<212> DNA

<213> Homo sapiens

<220>

<221> exon

<222> (1)...(35)

<223> Acceptor Splice Site: Residues 1-25 are the intronic sequence and Residues 26-35 are the exonic sequence.

<400> 88

gct gga tgc tcc ctg ctc ccc aca ggc atc gtg aa

35